



STAFF REPORT

DATE: June 28, 2021
TO: Ty Lasher, City Manager
FROM: Anne Stephens, Public Works Director and City Engineer
RE: Cured-In-Place Pipe Project

Proposal Focus:

Our Mission

- Attractive growth and safe living – Encourage attractive neighborhoods and new developments.

Our Values

- Working Together – Departments working together as one team. Staff working with residents, HOA's and neighborhoods. Citizens working with each other.

Current Situation:

At their March, 30th workshop, Council reviewed a preliminary work plan for 2021, which included the cured-in-place pipe lining project for multiple sewer lines in Pearson's Addition. This is a continuation of the CIPP project that was conducted in 2019.

Goals:

- To work with the Developer to grow the City in an attractive, safe manner that is consistent with City standards.

Discussion:

Staff reached out to three contractors requesting bids for the installation of 5,125 linear feet of 8" Cured-in-Place Pipe and approximately 4,030 linear feet of 10" Cured-in-Place Pipe in Pearson's Addition. Only two of the contractors responded to our request. The bids are presented below.

Contractor	Total Bid	Protruding Tap Removal
UMC	\$294,453.75	\$250.00
Insituform	\$286,551.50	\$220.00
Municipal Pipe Service	No Bid	
Preliminary Opinion of Cost	\$320,000	

Additional costs will be incurred for any protruding tap removals and if any point repairs are necessary. Costs for protruding tap removals were bid on a per each basis and the unit costs are listed in the table above. Costs for any necessary point repairs will be determined on a per each basis once the Contractor has had a chance to access each individual situation. Point repairs are

only necessary when the sewer has failed to a point where lining is not possible. There were three such point repairs needed on the project completed in 2019. Staff does not have an estimate of how many point repairs will be needed on this project as we do not have the expertise to evaluate what defects/holes can be bridged with the liner or need to be repaired.

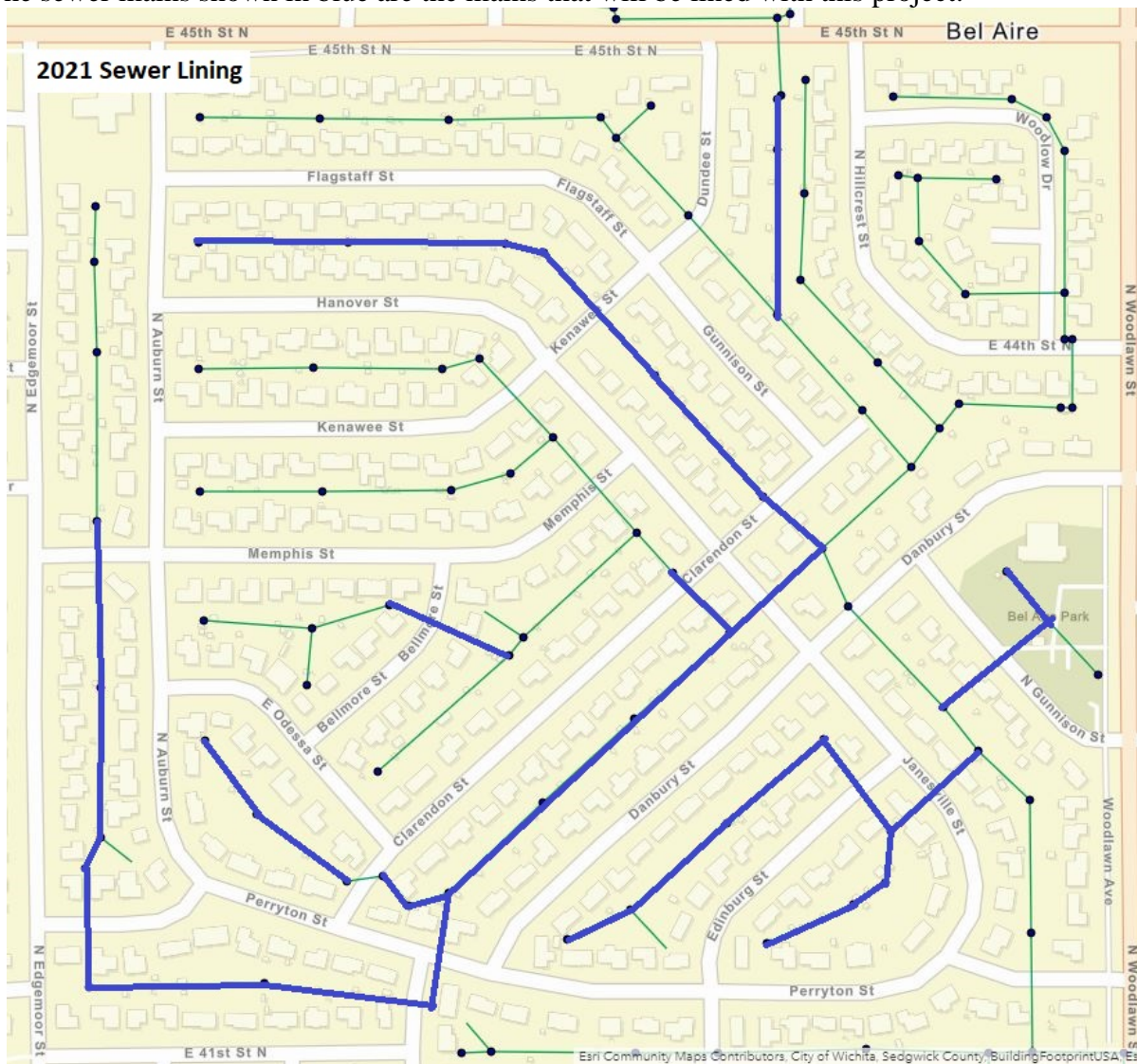
Financials:

The cost of these improvements will be paid for out of the Sewer System Improvements line item in the sanitary sewer budget. This line item currently has a balance of \$300,000. If costs exceed this amount, funds will be utilized from the Wastewater System Maintenance and Repair line item, which currently has a balance of \$145,100.

Recommendation:

Staff recommends that the City Council accept the bid from Insituform Technologies for \$286,551.50.

The sewer mains shown in blue are the mains that will be lined with this project.





UTILITY MAINTENANCE
CONTRACTORS, LLC

Date: June 24, 2021

To: City of Bel Aire, KS
7651 E Central Park Ave
Bel Aire, KS 67226

Attn: Tim Aelmore taelmore@belaire.kscoxmail.com

Ref: **Proposal for Cured-In-Place-Pipe (CIPP) Rehabilitation of Sanitary Sewers - Bel Aire, KS 2021**

Utility Maintenance Contractors LLC, (UMC) places our employee's safety as our top priority on every job, every day. Through safe work practices we continue to ensure our employee's safety and the safety of those around them. We emphasize that production is a result of working safe. UMC will provide employees with all required safety equipment and ensure that it is inspected and maintained.

UMC will conduct daily safety meetings including Job Hazard Analysis. We will also meet all OSHA standards for safety including but not limited to; PPE, fall protection, confined space, first aid/CPR training, scaffolding, material handling, ventilation and air monitoring.

1. Based upon maps and CCTV logs provided by the City of Bel Aire, UMC proposes to **rehabilitate sanitary sewer lines, located South and West of 45th St. No. and Woodlawn** as follows:
 - a. UMC will clean and CCTV sewer lines to confirm diameters and lengths of sanitary sewers.
 - b. UMC will cut protruding service connections to allow CIPP installation.
 - c. UMC will install CIPP (per ASTM F-1216) and internally re-instate service connections.
 - d. UMC will use confined space equipment including fall protection and gas monitors to enter the manholes.
 - e. UMC will provide general notices prior to beginning work and specific notices concerning out of service dates to affected residents.
 - f. UMC will provide the City of Bel Aire with post CCTV videos and logs.

SAFE

QUALITY

SOLUTIONS

2. UMC's price for this work is as follows:

Description	Amount	UOM	Cost Per Unit	Cost
Mobilization	1	LS	\$11,000.00	\$11,000.00
8-inch CIPP	5,125	LF	\$28.25	\$144,781.25
10-inch CIPP	4,030	LF	\$30.50	\$122,915.00
Service Connection Reinstatement	191 TBD	EA	\$82.50	15,757.15 TBD
Protruding Tap Removal	TBD	EA	\$250.00	TBD
			TOTAL	\$278,696.25

\$294,453.75

3. Notes, Clarifications, Qualifications:

- a. Sales tax not included in this Proposal; please provide a project specific tax-exemption certificate prior to UMC beginning work.
- b. Work Ahead signs and traffic cones will be provided by UMC.
- c. UMC accepts no liability if condition of pipe changes during cleaning or prior to repair.
- d. UMC will provide bypass pumping as required for CIPP.
- e. Manhole improvements, modifications or replacements are not included.
- f. Quantities are estimated, unit prices apply to final
- g. Point Repairs, if required, can be provided by UMC at an additional cost.
- h. Bonding (performance, payment, assurance, statutory) not included in this Proposal
- i. Special insurance, permits, licenses, and fees are not included in this Proposal.
- j. Remediation, hauling or disposal of any hazardous materials discovered during UMC work is not included in Proposal.
- k. Owner to provide suitable dumping facilities for debris removed from the CITY's collection system within reasonable distance from the work site.
- l. Pricing submitted in this Proposal is based on unrestricted access to the work site for the duration of the project.
- m. Any alteration or deviation from the project scope outlined in this Proposal will be executed only upon written change order, and will become an extra charge to the Proposal price.
- n. Owner to provide clean water for cleaning activities at no charge.
- o. Delays caused by Owner or others may result in additional mobilization or standby charges.
- p. Owner to provide all needed temporary easements for access and working room, and UMC will be held harmless from all claims, damages or suits by reason of UMC encroaching upon others property.

SAFE

QUALITY

SOLUTIONS

4. UMC's payment requirements:

- a. Once UMC has submitted billing, payment is required within 30 calendar days of invoicing.
- b. No retainage to be withheld from payments.

We appreciate the opportunity to quote this work.



Jack T Row III
Project Manager

SAFE

QUALITY

SOLUTIONS



17220 Bel Ray Place
Belton, Missouri 64012

Tel: (816) 318-8477
Fax: (816) 318-8495
www.insituform.com

AAJA-ZJ9N5V

June 24, 2021

Attention - Tim Aelmore - taelmore@belaire.kscoxmail.com



Tim Aelmore

Equipment Operator III

7651 E. Central Park Ave.

Bel Aire, KS 67226

P: (316) 744-2888

Proposal

Project Name:

City of Bel Aire KS 2021 CIPP 6 24 2021

Bid Due Thursday June 24, 2021 – BY 12 NOON

NO ADDENDA

INSITUFORM TECHNOLOGIES herein proposes to furnish a Proposal for all labor, materials, equipment, and services necessary to reconstruct the above referenced project.

ASSUMPTIONS AND QUALIFICATIONS

INSITUFORM has based this proposal on a **nominal wall thickness** for the Insitutube. This is based on the best available information at the time of this proposal. Existing pipe deterioration in excess of the conditions assumed, ground water loads in excess of those assumed, or other loads or conditions may increase the recommended thickness for all or portions of the work. Final recommendations may be submitted to you following the completion of the preliminary TV phase of the project. Stated prices are subject to adjustment if design changes are agreed upon.

Laterals: During TV inspection all side sewers are verified, using best practical efforts, to determine if each is an active hook up. Normal practice only reinstates those, which are active. You may direct us to reinstate all or specific laterals as you desire. This proposal, unless otherwise stated, assumes that all laterals will be reconnected, and all will be internally reconnected using the Insitucutter. Specific service connections will not be reconnected only when written directions are received from the Owner. The Owner will indemnify and hold INSITUFORM TECHNOLOGIES harmless from all claims arising from backups and other effects of such actions or inaction's from services not opened at the owner's request. In the event that Insituform is unable to locate or reconnect a service lateral internally, the Prime Contractor will externally reconnect the service at no cost to INSITUFORM TECHNOLOGIES.

The Prime Contractor shall provide access to both ends of the line [including approval of adjacent landowners], including ALL clearing/grubbing, access roads and ALL restoration scopes adjacent to

structures by Prime Contractor, and point repairs if needed. Installation can be completed after point repairs and accesses to both ends are completed.

PROPOSAL PRICING –

CIPP pricing INCLUDES bypass for CIPP scopes ONLY, Traffic control for CIPP scopes ONLY

Description	Units	Bid Units	Unit Price	Total	
8" CIPP	L Ft	5125	\$ 31.30	\$ 160,412.50	
10" CIPP	L Ft	4030	\$ 31.30	\$ 126,139.00	
Protruding Tap Removal [robotic only], if required	Each	0	\$ 220.00	\$ -	
Pricing is TAX Exempt				\$ 286,551.50	
All lines are tied for pricing, Adjustment in quantities may require pricing modifications					
CIPP Pricing INCLUDES Clean / CCTV - CIPP scopes ONLY					

Schedule –

Mutually agreed to schedule between City of Bel Aire, KS and ITUSA

Anticipated Start / ITUSA Crew availability – Q1 - 2022

Locations –

MH A	MH B	Depth A	Depth B	Street	Diam.	Length	Services
3-5	3-4	7	7	5901 DANBURY	8.0	188	4
3-4	3-3	7	8	5915 DANBURY	8.0	288	7
3-3	3-2	8	8	5933 DANBURY	8.0	328	8
3-2	3-1	8	8	6121 DANBURY	8.0	286	4
3-1	2-3	8	8	4263 JANESVILLE	8.0	260	0
3A-3	3A-2	7	7	6101 EDINBURG	8.0	220	6
3A-2	3A-1	7	7	6119 EDINBURG	8.0	120	5
3A-1	3-1	7	8	6127 EDINBURG	8.0	120	3
4-2	4-1	8	8	4333 GUNNISON	8.0	144	2
4-1	2-4	8	8	4333 GUNNISON	8.0	356	4
6-4	6-2	8	9	4345 BELLMORE	8.0	320	4

2-12	2-11	8	8	5700 HANOVER	8.0	360	11
2-11	2-10	8	8	5810 HANOVER	8.0	360	11
2-10	2-9	8	8	5916 HANOVER	8.0	100	3
2-9	2-8	8	8	5926 HANOVER	8.0	400	8
2-8	2-7	8	7	4430 JANESVILLE	8.0	380	10
2-7	2-6	7	8	4400 JANESVILLE	8.0	210	2
5A-5	5A-4	8	8	5701 ODESSA	8.0	210	7
5A-4	5A-3	8	6	5727 ODESSA	8.0	250	6
5A-3	5A-2	6	7	5811 ODESSA	8.0	70	0
5A-2	5A-1	7	7	5821 CLARENDON	8.0	88	2
5A-1	5-4	7	9	5821 CLARENDON	8.0	67	1
5-11	5-10	8	8	5600 MEMPHIS	10.0	409	10
5-10	5-9	8	8	4317 AUBURN	10.0	430	10
5-9	5-8	8	8	4255 AUBURN	10.0	143	2
5-8	5-7	8	8	5612 PERRYTON	10.0	307	4
5-7	5-6	8	9	5615 PERRYTON	10.0	471	10
5-6	5-5	9	9	5721 PERRYTON	10.0	390	8
5-5	5-4	9	9	5831 DANBURY	10.0	307	3
5-4	5-3	9	8	5900 DANBURY	10.0	368	10
5-3	5-2	8	8	6000 DANBURY	10.0	327	8
5-2	5-1	8	8	6024 DANBURY	10.0	348	8
7A-2	7A-1	7	8	4544 DUNDEE	10.0	121	3
7A-1	7-3	8	9	4522 DUNDEE	10.0	409	7
						9155	
				8" CIPP	5125.0		
				10" CIPP	4030.0		
					9155.0		

Project NOTES -

Pricing excludes surface videos, clearing / grubbing / ROW, access / access roads, special permits and insurances, etc. – by Owner

ITUSA is EXCLUDING ALL pipe preparation - mandrelling of existing pipes, ALL excavation / point repairs, ALL required joint repairs, grout/fly ash scopes, etc. ITUSA's process does not require mandrelling and /or grouting – CIPP liner conforms to existing shape of host pipe – should any internal / joint repairs be required by Owner / Prime, ITUSA is EXCLUDING from our scope of work proposed.

Service reconnections by internal methods ONLY. Service reconnections that cannot be completed by internal methods may require excavation / reconnection by the Prime Contractor at no additional cost to ITUSA. Lateral launching of services, cleaning, lateral rehabilitation, etc. – Excluded.

The existence of the void(s) in and/or around the bottom of the existing pipe may indicate an unforeseen condition for both ITUSA and the Owner / Prime. Owner / Prime shall bear the responsibility for unforeseen conditions / subsurface conditions of the existing roadway, Pipe bedding, adjacent soil compaction, etc.

ITUSA shall not be contractually obligated to perform any investigation and / or repairs regarding the conditions beneath and / or around the existing culvert pipe. ITUSA's proposal to rehabilitate the culvert

does not entail taking on the liability or cost of any unforeseen conditions that are pre-existing but unknown to all parties.

ITUSA's proposal to the Prime Contractor for CIPP rehabilitation does not entail ITUSA taking on the liability or cost to repair the unforeseen condition of the void[s] beneath/around the culvert. ITUSA's agreement to rehabilitate the culvert does not entail taking on the liability or cost of any unforeseen conditions that are pre-existing but unknown to all parties.

PROPOSAL INCLUSIONS

The prices stated in this proposal include:

1. Mobilization and demobilization.
2. Bypass pumping if needed [CIPP scopes ONLY].
3. Internal service reconnections ONLY.
4. Pre-Video inspections and documentation of existing pipe prior to reconstruction with the Insituform process for pipe rehabilitated by CIPP.
5. Final video inspection following completion of the installation to document your new pipe rehabilitated by CIPP.
6. Insitutube wetout using 400,000 Flexural Modulus resin, inversion, curing, and finishing.
7. Confined space safe entry practices.
8. Certificate of insurance with a standard coverage.
9. One [1] year standard construction warranty included.

PROPOSAL EXCLUSIONS

Not included in the prices stated in this estimate are costs associated with the items listed below. These items, if needed or found to be applicable, would be provided by **INSITUFORM TECHNOLOGIES** at your additional cost; or would be furnished by others, at your direction, at no cost to **INSITUFORM TECHNOLOGIES** :

- a) If preliminary video inspection of the pipe interior indicates excessive damage, or other extra-ordinary condition, which will require excavation, or other extraordinary remedy, to prepare the pipe for installation of the Insitutube, then those services shall be provided by the Prime Contractor or Owner. This may include excessive roots, excessive debris and protruding taps and point repairs / ALL Excavation and restoration scopes.
- b) Surface video documentation [Pre and Post] – Excluded.
- c) **Water for CIPP scopes [clean / CCTV + CIPP] – provided by Owner.**
- d) Additional cleaning and televising mobilizations and/or setups due to point repairs, obstruction removals, or delays out of our control will be an additional charge.
- e) Landscaping / shrub removal-replacement / ALL restoration scopes, etc.
- f) Manual operation of any pumping and/or metering stations.
- g) Legal dumpsite for debris resulting from pipes cleaning.
- h) *If any hazardous or toxic materials are encountered during the project, the Owner will be responsible for the removal and disposal of the materials.*
- i) Installation of cleanouts, or other ports, if required for special bypass pumping requirements for businesses.
- j) Manhole installation, rehabilitation, and/or replacement.
- k) Project permits and/or local licenses.
- l) State and local sales and/or use taxes on the value of the project. Tax Exempt pricing requires State and Project Tax Exempt Certificates.
- m) Additional premiums for special insurance coverage(s) demanded by you or other parties particular to this project [i.e.-railroad protective, etc.].
- n) **Performance and Payment Bond not included. This is available upon request, if required please add 1.5% to the total project cost.**
- o) **PE Stamped Design Calculations, if required, ADD \$2,500.**

PROPOSAL TERMS AND CONDITIONS

- a) Limits of Liability. In consideration of **INSITUFORM TECHNOLOGIES**'s agreement to maintain no less than \$5,000,000 of comprehensive general liability insurance in the form required by the Contract, **INSITUFORM TECHNOLOGIES**'s liability to the Owner for any matter covered by such insurance will be limited to the extent of such insurance and the Owner will indemnify and hold **INSITUFORM TECHNOLOGIES** harmless from any third party claims covered by such insurance to the extent such claims exceed the limits of such insurance. Neither party shall be liable to the other for consequential damages relating to the contract. In case of conflict between this provision and any other provision in the Contract as ultimately executed, this provision shall govern and prevail.
- b) LIMITED WARRANTY. IN LIEU OF ALL OTHER EXPRESSED, IMPLIED AND/OR STATUTORY WARRANTIES, INCLUDING WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE, CONTRACTOR AGREES TO CORRECT ANY DEFECTS IN THE MATERIALS OR SERVICES PROVIDED BY CONTRACTOR WHICH ARE BROUGHT TO THE ATTENTION OF CONTRACTOR WITHIN ONE YEAR FOLLOWING COMPLETION OF CONTRACTOR'S WORK, PROVIDED OWNER AFFORDS CONTRACTOR SUITABLE ACCESS AND WORKING CONDITIONS TO ACCOMPLISH SUCH CORRECTION.
- c) MUTUAL RELEASE OF CONSEQUENTIAL DAMAGES. Neither party shall be liable to the other for consequential damages relating to or arising out of the Contract.
- d) PROPOSAL SUBJECT TO NEGOTIATION OF OTHER STANDARD TERMS OF AGREEMENT. This proposal is subject to agreement of the parties on other terms and conditions as are customary in contracts of this nature.
- e) Quantities are estimated. Unit prices apply for actual invoice and payment.
- f) Payments are due at net within thirty days of invoice. Final payment is due within thirty days of completion of project.
- g) Monthly progress partial payments may be requested for the value of work in progress or completed, including materials secured and on site.
- h) Prices stated are in effect for thirty days from the date of this proposal. The acceptance period may be extended at the sole option of **INSITUFORM TECHNOLOGIES**.
- i) Conflicts. In case of conflict between the provision of the aforesaid paragraphs and any other provision in the Contract as ultimately executed the provisions as set forth above shall govern and prevail.
- j) **Insituform submits this bid based on the plans and specifications furnished to it. Insituform's bid is expressly conditioned upon the negotiation of terms and conditions fair to Insituform. Insituform shall have no obligation to perform and shall not be bound by its bid until the execution of a mutually agreeable written contract.**

Submitted by:

INSITUFORM TECHNOLOGIES USA, LLC

Brian T. McCrary P.E. - Business Development Manager

Cellular 816 / 206 – 7703 bmccrary@aegion.com

Accepted

Signed: _____

Date: _____

Printed Name/Title: _____

Company Name: _____

Company Address: _____

Company Phone / email: _____

Tax Exemption Number: _____

This accepted proposal constitutes a formal agreement. If you initiate a purchase order or other document, it will not be acknowledged without this proposal as an attachment.

Accepted By: ***INSITUFORM TECHNOLOGIES USA, LLC***

By: _____

Date: _____